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A knowledge-based approach to handling exceptions in workflow systems

M Klein, C Dellarocas - Computer Supported Cooperative Work (CSCW), 2000 - Springer ... All handler processes are **annotated** with their character- istic preconditions and performance properties to help the **workflow** designer select among them. ... Philadelphia, PA. Dellarocas, C., J. Lee, et al. ... (1995): Dynamic Change within **Workflow** Systems. ...

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# An outlook on semantic business process mining and monitoring

A de Medeiros, C Pedrinaci, W van der Aalst, J ... - On the Move to ... - Springer ... illustrate how **process** mining techniques could use events relat- ing to tasks and performers to (i) automatically discover or enhance ontologies, and (ii) help in the semantic **annotation** of the ... Hagen, C., Alonso, G.: Exception handling in **workflow** management systems. ... Cited by 30 - Related articles - Bt. Direct - Ali 15 versions

# [CITATION] Towards aspect weaving applications

C Courbis, A Finkelstein - Software Engineering, 2005. ICSE 2005. Proceedings. ..., 2005. Cited by 74 - Related articles - BL Direct - All 10 versions

# [BOOK] ... introduction to object-oriented analysis and design and the unified process C Larman - 2001 - portal.acm.org

... Applying Use Case Driven Object Modeling with UML: An **Annotated** e-Commerce Example by Doug ... of Four", Booch's **Object-Oriented** Analysis and Design with Applications, and

Object-Oriented Modeling and ... The book slightly favors Java in its examples, but as these are ...

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#### Sawsdl: Semantic annotations for wsdl and xml schema

J Kopecký, T Vitvar, C Bournez, ... - IEEE Internet ..., 2007 - doi.leeecomputersociety.org ... The internal behavior describes a **workflow** — that is, how the service's functionality is aggregated ... Many **Java**-based tools use these APIs, including Axis 2, the Apache Web services ... Two GUI tools help **annotate** WSDL documents with semantics: Radiant from the University of ... Cited by 100 - Related articles - BL Direct - Ali 6 versions

# [PDF] Annotating, linking and browsing provenance logs for e-Science

..., C Gobie, M Greenwood, C Wroe, R Stevens - Proc. of the Workshop on ..., 2003 - Citeseer ... By clinking on an **annotation** we are able to navigate to other **workflow** records semantically ... Database Management, Fairfax, VA, 2001 [Goble03] Stevens R, Robinson A, and Goble C myGrid: Personalised ... Handschuh02] Handschuh S, Staab S Authoring and **Annotation** of Web ... Cited by 51 - Related articles - View as HTML - All 14 versions

# Taverna: a tool for the composition and enactment of bioinformatics workflows

T Oinn, M Addis, J Ferris, D Marvin, M ... - ..., 2004 - Oxford Univ Press

... 3). Freefluo is a **Java workflow** orchestration tool for Web services which supports a subset of the Web ... the Affymapper and Keggmapper databases for the gene **annotation** and pathway ... Model Explorer which is also used to manipulate the **workflow** (**C**). Expanding a ...

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# A conceptual framework for composition in business process management

I Weber, I Markovic, C Drumm - **Business** Information Systems, 2007 - Springer ... addressed by this paper can be restated in the following way: Given a high-level **process** model and a set of previously modeled artifacts in a repository, all semantically **annotated**, a composition ... A Conceptual Framework for Composition in **Business Process** Management ... (c) (d ... Cited by 18 - Related articles - BL Direct - All 3 versions

Automatic annotation of web services based on workflow definitions

K Belhajjame, S Embury, N Paton, R Stevens, C ... - The Semantic Web-ISWG ... - Springer ... the GUI illustrated in Figure 5. The **Annotation** Editor, labelled **A**, shows the contents of the **workflow** repository being ... The final panel (labelled **C**) is the Ontology Ex- plorer, which allows the user to view the fragments of the ontology indicated by a loose **annotation**, and to ... Cited by 32 - Related articles - Bi. Direct - **Ali** 23 versions

#### Mining process models from workflow logs

R Agrawal, D Gunopulos, F Leymann - Advances in Database ..., 1998 - Springer ... Each edge A! B is, therefore, **annotated** with a Boolean function that determines whether the control ows from A to B. Current ... D C E ... The execution of the **business process** follows the activity graph: for each activity u that terminates, the output ou is computed. Then the functions on ... Cited by 389 - Fielated articles - BL Direct - All 29 versions

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## Business process intelligence

D Grigori, F Časati, M Castellanos, U Dayal, M ... - Computers in ..., 2004 - Elsevier ... Author Keywords: Business Process Intelligence; Workflow mining; Process execution analysis and prediction; Data ... To address this issue, we extended the PDW to allow semantic process ... to bridge the gap between the conceptual process, designed by business analysts, and ... Cited by 219 - Related articles - All 10 versions

# [BOOK] UML components: a simple process for specifying component-based ...

J Cheesman, J Daniels, C Szyperski - 2001 - lavoisier.fr

... Workflow Artifacts. The Specification Workflow. Component Identification. Component Interaction. ... Tools. Extending UML with Stereotypes. Precision, Accuracy, and Completeness. UML Modeling Techniques. Business Concept Model. Use Case Model. ...

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# A survey of agent-oriented methodologies

CA Iglesias, M Garijo, JC González - ... : 5th International Workshop, ATAL'98, Paris ... - Springer ... Carlos A. Iglesias 1??, Mercedes Garijo 2 and José C. González 2 ... This methodology [19] extends the models defined in CommonKADS, adding tech-niques from object-oriented ... Firstly, the elemental agent behaviours are listed using functional or object oriented techniques. ... Cited by 425 - Related articles - BL Direct - All 34 versions

# Supply chain management: more than a new name for logistics

MC Cooper, DM Lambert, JD ... - The International Journal of ..., 1997 - ingentaconnect.com Supply Chain Management: More Than a New Name for Logistics Martha C. Cooper, Douglas M ... and processes within and between organizations in the supply chain that extends beyond logistics. ... There is definitely a need for the integration of **business** operations in the supply ... Cited by 900 - Related articles - BL Direct - All 4 versions

# **ICITATION** Kepler: An extensible system for design and execution of scientific ...

I Altintas, C Berkley, E Jaeger, M Jones, B Ludascher, ... - Scientific and Statistical ..., 2004 Cited by 233 - Related articles - All 15 versions

# [PDF] Scientific workflow management and the Kepler system

B Ludascher, I Altintas, C Berkley, D Higgins, E ... - Concurrency and ..., 2006 - Citeseer ... user-friendly graphical user-interface (called Vergil) and a ready-to-be-extended open source ... of these applications might be "promoted" to custom actors with native Java implementations in ... Today we see some influence of business workflow standards in the web services arena ... Cited by 604 - Related articles - View as HTML - BL Direct - All 21 versions

#### Future manufacturing systems--Towards the **extended** enterprise

J Browne, PJ Sackett, JC Wortmann - Computers in industry, 1995 - Elsevier ... Computers in Industry 25 (1995) 235254 Future manufacturing systemsTowards the extended enterprise J ... b CIM Institute, Cranfield University, Cranfield, Beds., MK43 OAL, UK c Department of ... customer increasingly becomes an integrated part of both the business systems and ... Cited by 161 - Related articles - All 4 versions

# [CITATION] WISE: Business to business e-commerce

G Alonso, U Fiedler, C Hagen, A Lazcano, H Schuldt, N ... - Research Issues on Data ..., 1999 Cited by 172 - Related articles - Ali 12 versions

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SA McIlraith, TCH Zeng - IEEE Intelligent Systems, 2001 Cited by 1343 - Related articles - BL Direct - All 70 versions

An overview of workflow management: From process modeling to workflow ... Discribing the control of the control

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Enterprise resource planning: cultural fits and misfits: is ERP a universal solution?

C Soh, SS Kien, J Tay-Yap - Communications of the ACM, 2000 - portal acm.org ... Christina Soh, Sia Siew Kien, and Joanne Tay-Yap C ... The observed misfits were clustered into three broad categories: data, process, and output, in line with a ... when normal operational steps are missing or inappropriate, often due to the incompatibility of the embedded business ... Cited by 484 - Related articles - BL Direct - All 3 versions

# A generic structure for **business process** modeling

FR Lin, MC Yang, YH Pai - Business Process Management ..., 2002 - emeraldinsight.com ... process representation and analysis can be mended by embedding simulation mechanisms with ... process reengineering,", in Grover, V., Kettinger, WJ (Eds), Business Process Change: Reengineering ... F. (1992), "The action workflow approach to workflow management technology ... Cited by 83 - Related articles - BL Direct - All 9 versions

# [PDF] ... advantage: The role of human, business, and technology resources

TC Powell, A Dent-Micallef - Strategic Management Journal, 1997 - jstor.org ... THOMAS C. POWELL and ANNE DENT-MICALLEF Bryant College, Smithfield, Rhode Island, USA ... firm-specific IT applications, and may in the long run produce embedded IT skills. ... proc- esses, and Boar (1994) proposed a model aligning IT with business process redesign, ie ... Cited by 829 - Related articles - BL Direct - All 7 versions

# Technology adoption in the presence of network externalities

ML Katz, C Shapiro - The Journal of Political Economy, 1986 - UChicago Press ... (2006) Converging and diverging patterns of adopting new technology innovations: Embedded ethical issues. ... The consumption of radio broadcast technologies in Hong Kong, c.1930-1960. ... Business Process Management Journal 10:3, 277-289 Online publication date: 1-Feb ... Cited by 1605 - Related articles - All 7 versions

#### **ICITATION** A critical success factors model for ERP implementation

CR Holland, B Light - IEEE software, 1999 Cited by 472 - Related articles - BL Direct - All 17 versions

#### [BOOK] ARIS-business process modeling

AW Scheer - 2000 - books.google.com

... Weaknesses, Opportunities, Threats TCP Transmission Control Protocol UML Unified Modeling Language WAN Wide Area Network WMS Workflow Management System ... Ic Process management in accordance with the ARIS - house of business engineering concept 3 Fig. ...

Cited by 629 - Related articles - Library Search - All 6 versions

#### [CITATION] Advanced transaction models in workflow contexts

..., D Agrawal, A El Abbadi, M Kamath, R Gunthor, C ... - Data Engineering, 1996. ... Cited by 332 - Related articles - Bt. Direct - All 5 versions

# [PDF] A taxonomy of adaptive workflow management

Y Han, A Sheth, C Bussler - ... of the 1998 ACM Conference on ..., 1998 - imamu.edu.sa ... To sum up, suppose a user is assigned a **business** task that is to be ... Mechanisms for exception handling and adaptive workflow can be tightly combined into a generic ... in figure 3. Through the generic resource binding and adaptation handling mechanism embedded in each task ... Cited by 109 - Related articles - View as HTML - All 2 versions

Linking individual performance to **business** strategy: The people **process** model L Gratton, V Hope-Hailey, P Stiles, C ... - Strategic human ..., 1999 - books.google.com ... HAILEY, P. STILES, C. TRUSS Scanning long-term people trends Long-term Cycle Long-term people strategy Business strategy Performance Short-term Cycle Scanning current capability Short-term **business**/people strategy Figure 8.1 The People **Process** Model: **embedding** ... Cited by 65 - Related articles - BL Direct - All 5 versions

Transforming BPEL to Petri nets

S Hinz, K Schmidt, C Stahl - Business Process Management, 2005 - Springer ... With Petri nets, several elegant technologies such as the theory of workflow nets [9], a theory of controllability ... however, no real limitation: You only need to redefine the process as a scope and embed this scope ... 3. Thatte, S.: XLANG – Web Services for Business Process Design. ... Cited by 154 - Related articles - BL Direct - Ali 12 versions

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# Workflow mining: A survey of issues and approaches

WMP Van der Aalst, BF Van Dongen, J Herbst, ... - Data & Knowledge ..., 2003 - Elsevier ... which embed workflow technology. ... Modeling a workflow is far from trivial: It requires deep knowledge of the **business process** at hand (ie, lengthy discussions with the workers and management are needed) and the workflow language being used. ...

Cited by 467 - Related articles - All 8 versions

# A light workflow management system using simple process models

A Agostini, G De Michelis - Computer Supported Cooperative Work ( ..., 2000 - Springer ... the use of formal workflow models (formal models cannot fully capture the knowledge people use while acting within a business process); others on ... sections of this paper); the latter, ie enacting a workflow from within a conversation, allows us to embed any workflow within a ... Cited by 82 - Related articles - Bt. Direct - All 11 versions

## [PDF] On capturing exceptions in workflow process models

S Sadig, ME Orlowska - ... of the 4th International Conference on Business ..., 2000 - Citeseer ... The decision to embed certain exception handling procedures within the process ... Orlowska (1999) Architectural Considerations in Systems Supporting Dynamic Workflow Modification. Proceedings of the workshop on Software Architectures for Business Process Management at ... Cited by 44 - Related articles - View as HTML - All 28 versions

# [PDF] Workflow management coalition: The workflow reference model

D Hollingsworth... - Document TC00-1003, Workflow Management ..., 1994 - Citeseer ... A system that completely defines, manages and executes "workflows" through the execution of software whose order of execution is driven by a computer representation of the workflow logic. An individual business process may have a life cycle ranging from minutes to days (or ... Cited by 920 - Related articles - View as HTML - Library Search - Ali 83 versions

#### ARIS architecture and reference models for **business process** management

AW Scheer, M Nüttgens - Business Process Management, 2000 - Springer

... Thus, business users can always see how their activity is embed- ded in the ... Depending on the capacity situation at that time, the business user of the next ... During Process Workflow, processes with precisely defined procedural structures can be differentiated from processes with ...

Cited by 83 - Related articles - All 12 versions

#### **Business process** management demystified: A tutorial on models, systems and ...

WMP van der Aalst - Lectures on Concurrency and Petri Nets, 2004 - Springer

... WFM components embedded in other systems Many software packages embed a generic workflow ... A task is an atomic piece of work. Workflow process definitions are instantiated for specific cases (ie, workflow instances). ... Page 9. Business Process Management Demystified 9 ...

Cited by 69 - Related articles - All 17 versions

#### [BOOK] Workflow and process automation: concepts and technology

A Cichocki - 1998 - books.google.com

... This include analysis of a workflow process, simulation of a workflow, or monitoring of its execution. For example, the workflow management system may provide tools for analysis of workflows. Using such tools, a **business** processes analyst can re-engineer tra- ditional ...

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# UML activity diagrams as a workflow specification language

M Dumas, A ter Hofstede - ... UML» 2001—The Unified Modeling Language. ..., 2001 - Springer ... Embed activity A within a subactivity state, and attach an unbounded dynamic multiplicity to it ... case studies, the adequacy and limitations of activity diagrams for business process modeling ... evaluation of the capabilities of stat- echarts/activity diagrams for workflow specification as ... Cited by 217 - Related articles - BL Direct - All 26 versions

# [BOOK] Workflow management systems for process organisations

T Schäl - 1998 - books.google.com

... engineering. The design of **process** organisations is based on the concept of **business** processes which serve to achieve customer satisfaction and are supported by **workflow** management technology. Results ...

Cited by 121 - Related articles - Library Search - BL Direct - All 4 versions

## Organizational management in workflow applications—issues and perspectives

M Zur Muehlen - Information Technology and Management, 2004 - Springer

... web (a web server triggers the **workflow**) or other applications, which **embed** the **workflow** ... system has to notify external participants about the status of "their" **workflow** instances or ... use of audit trail information by external applications (eg, reporting or **business** activity monitoring ...

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